

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

The pending claims have not been amended herein.

1. (PREVIOUSLY PRESENTED) A method of receiving an analog broadcasting signal and a digital broadcasting signal, comprising:
 - selecting one of a digital broadcasting channel and an analog broadcasting channel;
 - if the digital broadcasting channel is selected,
 - receiving the digital broadcasting signal ,
 - separating the digital broadcasting signal into an MPEG processed video signal and an MPEG processed audio signal using MPEG processing,
 - encoding the MPEG processed video signal separated from the digital broadcasting signal,
 - transmitting additional information overlapped with the MPEG processed video signal separated from the digital broadcast signal in accordance with the encoding selected in the encoding of the MPEG processed video signal, and
 - transmitting the MPEG processed audio signal separated from the digital broadcasting signal; and
 - if the analog broadcasting channel is selected,
 - receiving the analog broadcasting signal,
 - extracting a synchronous signal from the received analog broadcasting signal,
 - encoding predetermined additional information according to the extracted synchronous signal,
 - separating the analog broadcasting signal into an analog broadcasting audio signal and an analog broadcasting video signal,
 - transmitting the predetermined additional information overlapped with the analog broadcasting video signal separated from the analog broadcasting signal, and
 - transmitting the analog broadcasting audio signal separated from the analog broadcasting signal.

2. (PREVIOUSLY PRESENTED) The method of claim 1, wherein, when the digital broadcasting channel is selected, the selective encoding of the MPEG processed video signal comprises analogizing the MPEG processed video signal and the additional information in response to the selection of the digital broadcasting channel and only analogizing the additional information in response to the selection of the analog broadcasting channel.

3. (PREVIOUSLY PRESENTED) The method of claim 1, wherein,
when the digital broadcasting channel is selected, the selective transmitting of the additional information, comprises selecting and transmitting the MPEG processed video signal separated from the digital broadcast signal overlapped with the additional information in response to the digital broadcasting channel being selected, or
when the analog broadcasting channel is selected, selecting and transmitting the analog broadcast video signal separated from the analog broadcasting signal overlapped with the additional information in response to the analog broadcasting channel being selected.

4. (PREVIOUSLY PRESENTED) The method of claim 1, wherein, if the analog broadcasting channel is selected, the selective transmitting of the additional information comprises mapping and transmitting information of the additional information which does not include a transparency with the analog broadcast video signal in response to the analog broadcasting channel being selected.

5. (PREVIOUSLY PRESENTED) A digital broadcasting receiver which MPEG processes a digital video signal and a digital audio signal from a received carrier signal as an MPEG processed video signal and an MPEG processed audio signal and receives and transmits an analog broadcasting signal to a television receiver, comprising:
a controller to determine whether an analog broadcasting channel or a digital broadcasting channel is selected, to generate a plurality of control signals having respectively different information, and to receive the analog broadcasting signal and/or a digital broadcasting signal according to the selection;
a digital broadcasting tuner to receive the digital broadcasting signal according to the selection of the controller;
an air tuner to receive the analog broadcasting signal according to the selection of the controller;

a synchronous separation unit to extract a synchronous signal from the analog broadcasting signal received from said air tuner and to separate the analog broadcasting signal into an analog audio signal and an analog video signal;

an additional information process unit to generate additional information according to a first control signal of the plurality of control signals from said controller;

a video encoder unit to encode, when the digital broadcasting channel is selected, the MPEG processed video signal and the additional information into an encoded analog video signal according to a second control signal of the plurality of control signals and the synchronous signal;

a video mix unit to mix, when the analog broadcasting channel is selected, the analog video signal from said air tuner and the encoded additional information, and to transmit the mixed signal;

a digital/analog converting unit to convert the MPEG processed audio signal to an MPEG processed analog audio signal; and

an audio selection unit to select and transmit the MPEG processed analog audio signal or the analog audio signal from said air tuner according to a third control signal of the plurality of control signals.

6. (PREVIOUSLY PRESENTED) The digital broadcasting receiver of claim 5, further comprising:

a luminance/color separation unit to separate the mixed signal transmitted by the video mix unit into a luminance signal and a color signal, and transmit the separated mixed signal.

7. (PREVIOUSLY PRESENTED) The digital broadcasting receiver of claim 5, wherein, when the analog broadcasting channel is selected, said video mix unit overlaps the additional information of said video encoder unit onto the analog video signal from said air tuner and transmits the overlapped analog video signal.

8. (PREVIOUSLY PRESENTED) The digital broadcasting receiver of claim 5, further comprising:

a luminance/color separation unit to separate, when the analog broadcasting channel is selected, the analog broadcasting signal from said air tuner into a luminance signal and a color signal; and

a switching unit to detect and change the separated luminance signal and color signal to

a continuous signal, and to transmit the continuous signal.

9. (PREVIOUSLY PRESENTED) The digital broadcasting receiver of claim 5, wherein, when the analog broadcasting channel is selected, said video mix unit includes a switcher which maps the additional information other than a transparency between the encoded MPEG processed video signal from said video encoder unit and the analog video signal from said air tuner, and outputs the mapped additional information.

10. (PREVIOUSLY PRESENTED) The digital broadcasting receiver of claim 7, wherein, when the analog broadcasting channel is selected, said video mix unit includes a switcher which maps the additional information other than a transparency between the encoded MPEG processed video signal from said video encoder unit and the analog video signal from said air tuner, and outputs the mapped additional information.

11. (PREVIOUSLY PRESENTED) A digital broadcast receiver receives an analog broadcasting signal and a digital broadcasting signal, comprising:

- a controller to determine whether the analog broadcasting signal or the digital broadcasting signal is to be displayed, and to generate additional information;

- a synchronous separation unit to separate the analog broadcasting signal into a synchronous signal, an analog video signal, and an analog audio signal;

- a video encoder to encode a video signal from the digital broadcasting signal and the additional information according to the separated synchronous signal; and

- a video mix unit to overlap the additional information with the analog video signal from the synchronous separation unit in response to the analog broadcasting signal being displayed, and to select the video signal from the digital broadcasting signal and the additional information in response to the digital broadcasting signal being displayed, to transmit an image signal.

12. (ORIGINAL) The digital broadcast receiver of claim 11, further comprising:

- a digital/analog converter to convert an audio signal from the digital broadcasting signal to an analog audio signal; and

- an audio selection unit to selectively transmit the converted analog audio signal from the digital/analog converter or the analog audio signal from the synchronous separation unit.

13. (PREVIOUSLY PRESENTED) The digital broadcast receiver of claim 11, further comprising a second luminance/color separation unit to separate the image signal transmitted from the video mix unit into a second luminance signal and a second color signal.

14. (ORIGINAL) The digital broadcast receiver of claim 11, further comprising:
a luminance/color separation unit to separate the analog broadcasting signal into a luminance signal and a color signal; and
a switching unit to change the luminance signal and the color signal from the luminance/color separation unit to a continuous signal.

15. (ORIGINAL) The digital broadcast receiver of claim 11, further comprising an additional information processing unit to generate the additional information.

16. (ORIGINAL) The digital broadcast receiver of claim 11, wherein information from the additional information does not include a transparency and the video mix unit maps the information with the analog video signal of the analog broadcasting signal in response to the analog broadcasting signal being selected.

17. (PREVIOUSLY PRESENTED) The digital broadcast receiver of claim 13, further comprising:

a first luminance/color separation unit to separate the analog broadcasting signal into a first luminance signal and a first color signal; and

a switching unit to change the first luminance signal and the first color signal to a continuous signal.

18. (PREVIOUSLY PRESENTED) A broadcasting receiver to receive a digital broadcasting signal and an analog broadcasting signal, comprising:

a tuning unit to selectively receive a broadcasting signal, including a second digital broadcasting signal, after previously tuning and receiving a first analog broadcasting signal, or a second analog broadcasting signal, after previously tuning and receiving a first digital broadcasting signal; and

a processing unit to process the second digital broadcasting signal or the second analog broadcasting signal in accordance with the selection by said tuning unit, and to synchronize phases of the second digital broadcasting signal and the first analog broadcasting signal, or the

second analog broadcasting signal and the first digital broadcasting signal, respectively, preventing jittering from occurring in output video upon the tuning unit changing selection between the first digital broadcasting signal and the second analog broadcasting signal, or between the first analog broadcasting signal and the second digital broadcasting signal.

19. (PREVIOUSLY PRESENTED) The broadcasting receiver as claimed in claim 18, wherein said processing unit comprises:

a synchronous separation unit to separate a synchronous signal from the second analog broadcasting signal and to adjust the phase of the second analog broadcasting signal to match a phase of a synchronizing signal of the first digital broadcasting signal.

20. (PREVIOUSLY PRESENTED) A broadcasting receiver for a display receiver and to receive a digital broadcasting signal and an analog broadcasting signal, comprising:

a tuning unit to selectively receive a broadcasting signal, including a second digital broadcasting signal, after previously tuning and receiving a first analog broadcasting signal, or a second analog broadcasting signal, after previously tuning and receiving a first digital broadcasting signal;

a processing unit to process the second digital broadcasting signal or the second analog broadcasting signal in accordance with the selection by said tuning unit and to synchronize phases of the second digital broadcasting signal and the first analog broadcasting signal, or the second analog broadcasting signal and the first digital broadcasting signal, respectively, preventing jittering from occurring in output video upon the tuning unit changing selection between the first digital broadcasting signal and the second analog broadcasting signal, or between the first analog broadcasting signal and the second digital broadcasting signal;

an additional information processing unit to generate additional information corresponding to the selected second digital broadcasting signal or the second analog broadcasting signal; and

a video mix unit to selectively output the processed second digital broadcasting signal with the additional information or the processed second analog broadcasting signal with the additional information, wherein the additional information corresponding to the second digital broadcasting signal and the second analog broadcasting signal are the same.